

# UCLA INTERNATIONAL HLA DNA EXCHANGE—165TH SUMMARY



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DNA Sample	
#1011	#1014
#1012	#1015
#1013	#1016

## DNA #1011 FILIPINO

The consensus type for this sample from a Filipino donor is A\*11:01-A\*24:02-B\*40:10-B\*48:01-C\*04:03-C\*08:01-DRB1\*11:01-DRB1\*15:02-DRB3\*02:02-DRB5\*01:01-DQA1\*01:02-DQA1\*05:05-DQB1\*03:01-DQB1\*05:02-DPA1\*02:02-DPB1\*01:01-DPB1\*03:01.

Eight labs reporting High Resolution results could not exclude the allele DPB1\*1049:01. The novel DPB1 allele is compared with DPB1\*03:01:01:01 with one nonsynonymous nucleotide substitution in exon 4, codon 194 (CGG ->CAG). Because the difference is outside the antigen recognition site, donors are considered matched for transplant purposes as noted in *Characterization of a novel HLA allele, DPB1\*1049:01, in a pediatric patient with severe aplastic anemia* (Chou-Wu, Po-Chien et al, 2020; 96(6):758-759).

The likely class I associations for this cell are A\*11:01-B\*40:10-C\*04:03 and A\*24:02-B\*48:01-C\*08:01, with respective frequencies of HF=0.00001 and HF=0.00624, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1011 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9.

## DNA #1012 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A\*24:02-A\*30:02-B\*07:02-B\*35:01-C\*04:01-C\*07:02-DRB1\*01:01-DRB1\*15:01-DRB5\*01:01-DQA1\*01:01-DQA1\*01:02-DQB1\*05:01-DQB1\*05:02-DPA1\*01:03-DPA1\*02:01-DPB1\*04:01-DPB1\*14:01.

The likely class II associations for this cell are DRB1\*01:01-DQB1\*05:01 and DRB1\*15:01-DQB1\*05:02, with respective frequencies of HF=0.09022 and HF=0.00095, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1012 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12.

## DNA #1013 BLACK

The consensus type for this sample from a Black donor is A\*03:01-A\*23:01-B\*49:01-B\*53:01-C\*04:01-C\*07:01-DRB1\*11:01-DRB1\*16:02-DRB3\*02:02-DRB5\*02:02-DQA1\*01:02-DQA1\*01:02-DQB1\*05:02-DQB1\*06:02-DPA1\*01:03-DPA1\*03:01-DPB1\*04:01-DPB1\*04/105.

A consensus for the second DPB1 allele could not be reached seeing as 17 participants reported DPB1\*105:01:01, 13 participants reported DPB1\*04:02:01G, 4 participants reported DPB1\*04:02P, 17 participants reported DPB1\*105:01, 2 participants reported DPB1\*04:02 and 1 participant reported DPB1\*04:01.

The likely class II associations for this cell are DRB1\*11:01-DQB1\*06:02 and DRB1\*16:02-DQB1\*05:02, with respective frequencies of HF=0.03430 and HF=0.01213, as seen interestingly in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1013 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15.



DNA Sample	
#1011	#1014
#1012	#1015
#1013	#1016

### DNA #1014 HISPANIC

The consensus type for this sample from a Hispanic donor is A\*02:01-A\*33:01-B\*39:11-B\*44:03-C\*02:02-C\*07:02-DRB1\*04:17-DRB1\*13:01-DRB3\*01:01-DRB4\*01:03-DQA1\*01:03-DQA1\*03:03-DQB1\*04:02-DQB1\*06:03-DPA1\*01:03-DPB1\*04:01:01G-DPB1\*04:02:01G.

The consensus for the DPB1 loci was 04:01:01G and 04:02:01G, seeing as 53% of our participants reporting at high resolution reported an ambiguous allele. Ten of our participants reporting high resolution results could not exclude DPB1\*04:01/126:01 and DPB1\*04:02/105:01.

The likely class I associations in this cell are B\*39:11-C\*07:02 and B\*44:03-C\*02:02, with respective frequencies of HF=0.00125 and HF=0.00306, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1014 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18.

### DNA #1015 HISPANIC

The consensus type for this sample from a Hispanic donor is A\*31:01-A\*68:02-B\*14:02-B\*15:01-C\*01:02-C\*08:02-DRB1\*01:02-DRB1\*04:11-DRB4\*01-DQA1\*01:01-DQA1\*03:01-DQB1\*03:02-DQB1\*05:01-DPA1\*01:03-DPB1\*04:02.

A consensus for the DRB4 allele could not be reached seeing as 15 participants reported DRB4\*01:03:01, 3 participants reported DRB4\*01:01G, 3 participants reported DRB4\*01:01P, 12 participants reported DRB4\*01:03 and 2 participants reported DRB4\*01:01. Interestingly, 86% of participants reporting NGS results agreed reported DRB4\*01:03.

The likely class II associations in this cell are DRB1\*01:02-DQB1\*05:01 and DRB1\*04:11-DQB1\*03:02, with respective frequencies of HF=0.03293 and HF=0.01627, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1015 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21.

### DNA #1016 OTHER

The consensus type for this sample from a Native Hawaiian donor is A\*01:01-A\*11:01-B\*35:01-B\*35:03-C\*04:01-C\*12:02-DRB1\*14:07-DRB1\*15:02-DRB3\*02:02-DRB5\*01:03-DQA1\*01:01-DQA1\*01:04-DQB1\*05:02-DQB1\*05:03-DPA1\*01:03-DPA1\*02:01-DPB1\*04:01-DPB1\*26:01.

The likely class I associations in this cell are A\*01:01-B\*35:03-C\*12:02 and A\*11:01-B\*35:01-C\*04:01, with respective frequencies of HF=0.00028 and HF=0.00626, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1016 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24.

#### ACKNOWLEDGMENTS:

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**Table 1. Summary of the 165th DNA Exchange (DNA #1011)**

<b>A</b>				<b>B</b>				<b>C</b>			
<i>59 labs High / 57 labs Low</i>		% (n)		<i>61 labs High / 58 labs Low</i>		% (n)		<i>59 labs High / 53 labs Low</i>		% (n)	
A*11:01:01:01	2 (1)	A*24:02:01:01	2 (1)	B*40:10:01:02	5 (3)	B*48:01:01	35(21)	C*04:03:01:01	12(7)	C*08:01:01:01	2 (1)
A*11:01:01	34(20)	A*24:02:01	34(20)	B*40:10:01	33(20)	B*48:01:01G	12(7)	C*04:03:01	25(15)	C*08:01:01	36(21)
A*11:01:01G	10(6)	A*24:02:01G	10(6)	B*40:10:01G	8 (5)	B*48:01P	7 (4)	C*04:03:01G	7 (4)	C*08:01:01G	7 (4)
A*11:01P	7 (4)	A*24:02P	7 (4)	B*40:10P	2 (1)	B*48:01	47(28)	C*04:03P	5 (3)	C*08:01P	5 (3)
A*11:01	47(28)	A*24:02	47(27)	B*40:10	51(31)	B*48	100(58)	C*04:03	51(30)	C*08:01	51(30)
A*11	100(57)	A*24	100(57)	<i>B*40:01</i>	2 (1)			C*04	100(53)	C*08	96(51)
				B*40	97(56)					C*04	2 (1)
				<i>B*48</i>	3 (2)					C*03	2 (1)

  

<b>DRB1</b>				<b>DRB3/4/5</b>				<b>DQA1</b>			
<i>61 labs High / 59 labs Low</i>		% (n)		<i>36 labs High / 37 labs Low</i>		% (n)		<i>46 labs High / 44 labs Low</i>		% (n)	
DRB1*11:01:01	29(18)	DRB1*15:02:01	25(15)	DRB3*02:02:01	42(15)	DRB5*01:01:01	47(17)	DQA1*01:02:01	42(19)	DQA1*05:05:01	41(19)
DRB1*11:01:01G	5 (3)	DRB1*15:02:01G	16(10)	DRB3*02:02:01G	8 (3)	DRB5*01:01:01G	3 (1)	DQA1*01:02:01G	9 (4)	DQA1*05:01:01G	6 (3)
DRB1*11:01P	7 (4)	DRB1*15:02P	13(8)	DRB3*02:02P	3 (1)	DRB5*01:01P	3 (1)	DQA1*01:02	47(21)	DQA1*05:05	52(24)
DRB1*11:01	59(36)	DRB1*15:02	46(28)	DRB3*02:02	47(17)	DRB5*01:01	47(17)	<i>DQA1*01:01</i>	2 (1)	DQA1*05	100(44)
DRB1*01	100(59)	DRB1*15	100(59)	DRB3*02	70(26)	DRB5*01	70(26)	DQA1*01	100(44)		
				<i>DRB5*01</i>	3 (1)	DRB5*PRESENT	30(11)				
				DRB3*PRESENT	27(10)						

  

<b>DQB1</b>				<b>DPA1</b>				<b>DPB1</b>			
<i>61 labs High / 57 labs Low</i>		% (n)		<i>35 labs High / 29 labs Low</i>		% (n)		<i>56 labs High / 27 labs Low</i>		% (n)	
DQB1*03:01:01:03	3 (2)	DQB1*05:02:01:01	3 (2)	DPA1*02:02:02	57(20)			DPB1*01:01:01	18(10)	DPB1*03:01:01	18(10)
DQB1*03:01:01	17(10)	DQB1*05:02:01	26(16)	DPA1*02:02	43(15)			DPB1*01:01:01G	32(18)	DPB1*03:01:01G	34(19)
DQB1*03:01:01G	22(13)	DQB1*05:02:01G	15(9)	DPA1*02	100(29)			DPB1*01:01P	12(7)	DPB1*03:01P	11(6)
DQB1*03:01P	8 (5)	DQB1*05:02P	6 (4)					DPB1*01:01	37(21)	DPB1*03:01	36(20)
DQB1*03:01	50(30)	DQB1*05:02	49(30)					DPB1*01	100(27)	DPB*03	100(26)
DQB1*03	98(56)	DQB1*05	100(57)								
<i>DQB1*06</i>	2 (1)										

Discrepant results from consensus are italicized in Tables 1-6

**Table 2. Summary of the 165th DNA Exchange (DNA #1012)**

A				B				C			
59 labs High / 62 labs Low		% (n)		59 labs High / 63 labs Low		% (n)		59 labs High / 59 labs Low		% (n)	
A*24:02:01:01	2 (1)	A*30:02:01:01	12(7)	B*07:02:01:01	2 (1)	B*35:01:01	34(20)	C*04:01:01	36(21)	C*07:02:01:03	2 (1)
A*24:02:01	34(20)	A*30:02:01	25(15)	B*07:02:01	32(19)	B*35:01:01G	10(6)	C*04:01:01G	7 (4)	C*07:02:01	34(20)
A*24:02:01G	9 (5)	A*30:02:01G	7 (4)	B*07:02:01G	10(6)	B*35:01P	7 (4)	C*04:01P	5 (3)	C*07:02:01G	7 (4)
A*24:02P	5 (3)	A*30:02P	3 (2)	B*07:02P	7 (4)	B*35:01	48(28)	C*04:01	52(30)	C*07:02P	5 (3)
A*24:02	50(29)	A*30:02	52(31)	B*07:02	49(29)	B*35	100(63)	C*04	100(59)	C*07:02	52(31)
A*24	100(62)	A*30	100(62)	B*07	100(63)					C*07	100(59)

DRB1				DRB3/4/5				DQA1			
61 labs High / 62 labs Low		% (n)		35 labs High / 40 labs Low		% (n)		49 labs High / 47 labs Low		% (n)	
DRB1*01:01:01	23(14)	DRB1*15:01:01	27(16)	DRB5*01:01:01	43(15)			DQA1*01:01:01	39(19)	DQA1*01:02:02:01	2 (1)
DRB1*01:01:01G	15(9)	DRB1*15:01:01G	12(7)	DRB5*01:01:01G	9 (3)			DQA1*01:01:01G	8 (4)	DQA1*01:02:02	40(19)
DRB1*01:01P	11(7)	DRB1*15:01P	10(6)	DRB5*01:01P	46(16)			DQA1*01:01	53(26)	DQA1*01:02:01G	8 (4)
DRB1*01:01	51(31)	DRB1*15:01	52(31)	DRB5*01:01	3 (1)			DQA1*01	100(47)	DQA1*01:02	50(24)
DRB1*01	100(62)	DRB1*15	100(62)	DRB5*01	65(26)					DQA1*01	100(47)
				<i>DRB3*02</i>	2 (1)						
				DRB5*PRESENT	32(13)						

DQB1				DPA1				DPB1			
61 labs High / 60 labs Low		% (n)		37 labs High / 30 labs Low		% (n)		56 labs High / 26 labs Low		% (n)	
DQB1*05:01:01:03	2 (1)	DQB1*05:02:01:01	2 (1)	DPA1*01:03:01	40(15)	DPA1*02:01:01	38(14)	DPB1*04:01:01	25(14)	DPB1*14:01:01	25(14)
DQB1*05:01:01	26(16)	DQB1*05:02:01	28(17)	DPA1*01:03:01G	11(4)	DPA1*02:01:01G	13(5)	DPB1*04:01:01G	27(15)	DPB1*14:01:01G	27(15)
DQB1*05:01:01G	7 (4)	DQB1*05:02:01G	11(7)	DPA1*01:03P	3 (1)	DPA1*02:01P	3 (1)	DPB1*04:01P	16(9)	DPB1*14:01P	16(9)
DQB1*05:01P	7 (4)	DQB1*05:02P	7 (4)	DPA1*01:03	46(17)	DPA1*02:01	46(17)	DPB1*04:01	31(17)	DPB1*14:01	32(18)
DQB1*05:01	59(36)	DQB1*05:02	52(32)	DPA1*01	100(30)	DPA1*02	100(30)	DPB1*04(DP401)	100(25)	DPB1*14	100(26)
DQB1*05	100(60)	DQB1*05	98(58)								
		<i>DQB1*06</i>	2 (1)								

Discrepant results from consensus are italicized in Tables 1-6



**Table 4. Summary of the 165th DNA Exchange (DNA #1014)**

A				B				C			
52 labs High / 64 labs Low		% (n)		53 labs High / 65 labs Low		% (n)		52 labs High / 61 labs Low		% (n)	
A*02:01:01:01	2 (1)	A*33:01:01:01	11(6)	B*39:11	98(52)	B*44:03:01:02	10(5)	C*02:02:02:01	2 (1)	C*07:02:01:01	2 (1)
A*02:01:01	35(18)	A*33:01:01	29(15)	<i>B*39:01</i>	2 (1)	B*44:03:01	31(16)	C*02:02:02	35(18)	C*07:02:01	35(18)
A*02:01:01G	10(5)	A*33:01:01G	6 (3)	B*39	100(65)	B*44:03:01G	8 (4)	C*02:02:02G	8 (4)	C*07:02:01G	8 (4)
A*02:01P	6 (3)	A*33:01P	6 (3)			B*44:03P	6 (3)	C*02:02P	6 (3)	C*07:02P	6 (3)
A*02:01	48(25)	A*33:01	48(25)			B*44:03	46(24)	C*02:02	49(25)	C*07:02	50(26)
A*02	100(64)	A*33	98(63)			B*44	100(65)	C*02	98(60)	C*07	100(61)
		A*03	2 (1)					C*01	2 (1)		
DRB1				DRB3/4/5				DQA1			
55 labs High / 65 labs Low		% (n)		32 labs High / 43 labs Low		% (n)		43 labs High / 49 labs Low		% (n)	
DRB1*04:17:02	42(23)	DRB1*13:01:01	36(19)	DRB3*01:01:02	56(18)	DRB4*01:03:02	52(16)	DQA1*01:03:01:02	2 (1)	DQA1*03:03:01:06	2 (1)
DRB1*04:17:01	2 (1)	DRB1*13:01:01G	7 (4)	DRB3*01:01P	3 (1)	DRB4*01:01P	3 (1)	DQA1*01:03:01	37(16)	DQA1*03:03:01	39(17)
DRB1*04:17P	7 (4)	DRB1*13:01P	7 (4)	DRB3*01:01	41(13)	DRB4*01:03	35(11)	DQA1*01:03:01G	5 (2)	DQA1*03:01:01G	7 (3)
DRB1*04:17	47(26)	DRB1*13:01	49(26)	DRB3*01	67(29)	<i>DRB4*01:01</i>	6 (2)	DQA1*01:03P	2 (1)	DQA1*03:01P	2 (1)
<i>DRB1*04:05</i>	2 (1)	DRB1*13	100(65)	<i>DRB5*01</i>	2 (1)	<i>DRB3*01:03</i>	3 (1)	DQA1*01:03	53(23)	DQA1*03:03	44(19)
DRB1*04	98(64)			DRB3*PRESENT	30(13)	DRB4*01	65(28)	DQA1*01	100(49)	<i>DQA1*03:01</i>	5 (2)
<i>DRB1*15</i>	2 (1)					<i>DRB5*01</i>	2 (1)			DQA1*03	100(49)
						DRB4*PRESENT	33(14)				
DQB1				DPA1				DPB1			
53 labs High / 62 labs Low		% (n)		34 labs High / 33 labs Low		% (n)		49 labs High / 29 labs Low		% (n)	
DQB1*04:02:01:09	2 (1)	DQB1*06:03:01:01	2 (1)	DPA1*01:03:01	41(14)			DPB1*126:01:01	6 (3)	DPB1*04:02:01	16(8)
DQB1*04:02:01	26(14)	DQB1*06:03:01	28(15)	DPA1*01:03:01G	9 (3)			DPB1*04:01:01	16(8)	DPB1*04:02:01G	39(19)
DQB1*04:02:01G	15(8)	DQB1*06:03:01G	6 (3)	DPA1*01:03P	3 (1)			DPB1*04:01:01G	37(18)	DPB1*04:02P	14(7)
DQB1*04:02P	9 (5)	DQB1*06:03P	7 (4)	DPA1*01:03	47(16)			DPB1*04:01P	14(7)	DPB1*04:02	24(12)
DQB1*04:02	47(25)	DQB1*06:03	57(30)	DPA1*01	100(33)			DPB1*126:01	2 (1)	DPB1*665:01	6 (3)
DQB1*04	98(61)	DQB1*06	100(62)					DPB1*04:01	24(12)	DPB1*04(DP402)	100(29)
<i>DQB1*03</i>	2 (1)							DPB1*04(DP401)	93(27)		
								<i>DPB1*04(DP402)</i>	3 (1)		
								<i>DPB1*33</i>	3 (1)		

Discrepant results from consensus are italicized in Tables 1-6

**Table 5. Summary of the 165th DNA Exchange (DNA #1015)**

A				B				C			
55 labs High / 57 labs Low		% (n)		55 labs High / 58 labs Low		% (n)		55 labs High / 54 labs Low		% (n)	
A*31:01:02:01	11(6)	A*68:02:01:01	11(6)	B*14:02:01:01	11(6)	B*15:01:01:01	9 (5)	C*01:02:01:01	2 (1)	C*08:02:01:01	2 (1)
A*31:01:02	31(17)	A*68:02:01	31(17)	B*14:02:01	31(17)	B*15:01:01	33(18)	C*01:02:01	36(20)	C*08:02:01	37(20)
A*31:01:02G	9 (5)	A*68:02:01G	7 (4)	B*14:02:01G	9 (5)	B*15:01:01G	9 (5)	C*01:02:01G	9 (5)	C*08:02:01G	9 (5)
A*31:01P	5 (3)	A*68:02P	5 (3)	B*14:02P	5 (3)	B*15:01P	5 (3)	C*01:02P	5 (3)	C*08:02P	6 (3)
A*31:01	44(24)	A*68:02	45(25)	B*14:02	42(23)	B*15:01	44(24)	C*01:02	47(26)	C*08:02	44(24)
A*31	100(57)	A*68	100(57)	<i>B*14:01</i>	2 (1)	B*15	100(58)	C*01	100(54)	C*08:03	2 (1)
				B*14	100(58)					C*08	100(54)

DRB1				DRB3/4/5				DQA1			
57 labs High / 58 labs Low		% (n)		35 labs High / 38 labs Low				43 labs High / 44 labs Low		% (n)	
DRB1*01:02:01	37(21)	DRB1*04:11:01	42(24)	DRB4*01:03:01	43(15)			DQA1*01:01:02	42(18)	DQA1*03:01:01:01	2 (1)
DRB1*01:02P	11(6)	DRB1*04:11P	7 (4)	DRB4*01:01:01G	9 (3)			<i>DQA1*01:02:01</i>	2 (1)	DQA1*03:01:01	44(19)
DRB1*01:02	52(29)	DRB1*04:11	51(29)	DRB4*01:01P	9 (3)			DQA1*01:01:01G	7 (3)	DQA1*03:01:01G	5 (2)
DRB1*01	100(58)	DRB1*04	100(58)	DRB4*01:03	34(12)			DQA1*01:01P	2 (1)	DQA1*03:01P	2 (1)
				DRB4*01:01	6 (2)			DQA1*01:01	46(20)	DQA1*03:01	46(20)
				DRB4*01	68(26)			DQA1*01	100(44)	DQA1*03	100(44)
				<i>DRB3*02</i>	3 (1)						
				DRB4*PRESENT	29(11)						

DQB1				DPA1				DPB1			
57 labs High / 57 labs Low		% (n)		35 labs High / 31 labs Low		% (n)		51 labs High / 27 labs Low		% (n)	
DQB1*03:02:01	21(12)	DQB1*05:01:01:01	3 (2)	DPA1*01:03:01	49(17)			DPB1*04:02:01	41(21)		
DQB1*03:02:01G	21(12)	DQB1*05:01:01	17(10)	DPA1*01:03:01G	3 (1)			DPB1*04:02:01G	8 (4)		
DQB1*03:02P	10(6)	DQB1*05:01:01G	23(13)	DPA1*01:03	49(17)			DPB1*04:02P	8 (4)		
DQB1*03:02	47(27)	DQB1*05:01P	10(6)	DPA1*01	100(31)			DPB1*04:02	43(22)		
DQB1*03	100(57)	DQB1*05:01	46(26)					DPB1*04(DP402)	96(25)		
		DQB1*05	100(57)					<i>DPB1*03</i>	4 (1)		

Discrepant results from consensus are italicized in Tables 1-6

**Table 6. Summary of the 165th DNA Exchange (DNA #1016)**

A				B				C			
54 labs High / 58 labs Low		% (n)		54 labs High / 58 labs Low		% (n)		54 labs High / 56 labs Low		% (n)	
A*01:01:01:01	2 (1)	A*11:01:01:01	2 (1)	B*35:01:01	39(21)	B*35:03:01	39(21)	C*04:01:01	38(20)	C*12:02:02:01	9 (5)
A*01:01:01	37(20)	A*11:01:01	35(19)	B*35:01:01G	13(7)	B*35:03:01G	13(7)	C*04:01:01G	9 (5)	C*12:02:02	30(16)
A*01:01:01G	11(6)	A*11:01:01G	11(6)	B*35:01P	6 (3)	B*35:03P	6 (3)	C*04:01P	6 (3)	C*12:02:01	2 (1)
A*01:01P	6 (3)	A*11:01P	6 (3)	B*35:01	43(23)	B*35:03	43(23)	C*04:01	47(25)	C*12:02:01G	7 (4)
A*01:01	44(24)	A*11:01	46(25)	B*35	100(58)	B*35	100(58)	C*04	100(56)	C*12:02P	6 (3)
A*01	100(58)	A*11	100(58)							C*12:02	46(25)
										C*12	100(56)

DRB1				DRB3/4/5				DQA1			
57 labs High / 59 labs Low		% (n)		37 labs High / 37 labs Low		% (n)		43 labs High / 43 labs Low		% (n)	
DRB1*14:07:01	44(25)	DRB1*15:02:01	20(11)	DRB3*02:02:01:01	3 (1)	DRB5*01:03	94(35)	DQA1*01:01:01:07	2 (1)	DQA1*01:04:01:01	2 (1)
DRB1*14:07P	7 (4)	DRB1*15:02:01G	25(14)	DRB3*02:02:01	44(16)	<i>DRB5*01:02</i>	3 (1)	DQA1*01:01:01	45(19)	DQA1*01:04:01	42(18)
DRB1*14:07	49(28)	DRB1*15:02P	14(8)	DRB3*02:02:01G	11(4)	<i>DRB3*01:03</i>	3 (1)	DQA1*01:01:01G	7 (3)	DQA1*01:01:01G	7 (3)
DRB1*14	98(58)	DRB1*15:02	40(22)	DRB3*02:02P	3 (1)	DRB5*01	67(25)	DQA1*01:01P	2 (1)	DQA1*01:01P	2 (1)
<i>DRB1*13</i>	2 (1)	DRB1*15	100(59)	DRB3*02:02	39(14)	<i>DRB4*01</i>	3 (1)	DQA1*01:01	43(18)	DQA1*01:04	42(18)
				DRB3*02	73(27)	DRB5*PRESENT	30(11)	DQA1*01	100(43)	<i>DQA1*01:01</i>	5 (2)
				<i>DRB3*01</i>	3 (1)					DQA1*01	98(42)
				DRB3*PRESENT	24(9)					<i>DQA1*05</i>	2 (1)

DQB1				DPA1				DPB1			
56 labs High / 56 labs Low		% (n)		36 labs High / 30 labs Low		% (n)		51 labs High / 29 labs Low		% (n)	
DQB1*05:02:01	30(17)	DQB1*05:03:01	29(16)	DPA1*01:03:01	42(15)	DPA1*02:01:01	39(14)	DPB1*04:01:01	42(21)	DPB1*26:01:02	47(24)
DQB1*05:02:01G	16(9)	DQB1*05:03:01G	9 (5)	DPA1*01:03:01G	8 (3)	DPA1*02:01:01G	11(4)	DPB1*04:01:01G	8 (4)	DPB1*26:01:01	2 (1)
DQB1*05:02P	7 (4)	DQB1*05:03P	7 (4)	DPA1*01:03P	3 (1)	DPA1*02:01P	3 (1)	<i>DPB1*14:01:01G</i>	2 (1)	DBP1*26:01P	8 (4)
DQB1*05:02	46(26)	DQB1*05:03	55(31)	DPA1*01:03	47(17)	DPA1*02:01	47(17)	DPB1*04:01P	8 (4)	DPB1*26:01	43(22)
DQB1*05	100(56)	DQB1*05	98(55)	DPA1*01	100(30)	DPA1*02	97(29)	DPB1*04:01	40(20)	DPB1*26	100(29)
		<i>DQB1*06</i>	2 (1)			<i>DPA1*01</i>	3 (1)	DPB1*04(DP401)	100(28)		

Discrepant results from consensus are italicized in Tables 1-6



**Table 7. Individual laboratory results for DNA # 1011 using Next Generation Sequencing**

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
7	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01G	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	03:01:01G
16	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01G	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	03:01:01G
124	11:01:01	24:02:01	40:10:01:02	48:01:01	04:03:01:01	08:01:01	11:01:01	15:02:01G	NT	NT	01:02:01	05:05:01	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	03:01:01G
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02P	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01P	03:01
147	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01	03:01
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01:01	08:01:01	11:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01	02:02:02	02:02:02	01:01:01G	03:01:01G
185	11:01:01G	24:02:01G	40:10:01G	48:01:01G	04:03:01G	08:01:01G	11:01P	15:02P	3*02:02P	5*01:01P	01:02:01G	05:01:01G	03:01P	05:02P	NT	NT	01:01:01G	03:01:01G
188	11:01	24:02	40:10:01:02	48:01	04:03:01:01	08:01:01:01	11:01	15:02P	NT	NT	01:02	05:05	03:01:01:03	05:02:01:01	NT	NT	01:01P	03:01P
189	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01:01G	03:01:01G
190	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01:01	08:01:01	11:01	15:02P	NT	NT	NT	NT	03:01P	05:02:01	NT	NT	01:01P	03:01P
192	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01G	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01	02:02:02	02:02:02	01:01:01G	03:01:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
218	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	03:01
227	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01:01	08:01:01	11:01	15:02:01	3*02:02:01G	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01	02:02:02	02:02:02	01:01:01G	03:01:01G
264	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
278	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
282	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
294	11:01P	24:02P	40:10	48:01P	04:03P	08:01P	11:01P	15:02P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01:01	08:01:01	11:01:01	15:02	NT	NT	01:02:01	05:05:01	03:01:01:03	05:02:01:01	NT	NT	01:01	03:01
316	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
403	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	NT	NT	NT	NT	03:01:01G	05:02:01	NT	NT	01:01:01G	03:01:01G
726	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
732	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
805	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
2063	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
2862	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
3325	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01:01G	03:01:01G
3410	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	03:01
3582	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
3614	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02:01G	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01:01G	03:01:01G
4420	11:01	NT	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	NT	05:05	NT	05:02	02:02	02:02	01:01	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01:01G	03:01:01G
5451	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
6051	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01G	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	03:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus based on High Resolution	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01

**Table 8. Individual laboratory results for DNA # 1011 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	11:01:01G	24:02:01G	40:10:01G	48:01:01G	04:03:01G	08:01:01G	11:01:01G	15:02:01G	NT	NT	01:02:01G	05:05	03:01:01G	05:02:01G	02:02	02:02	01:01:01G	03:01:01G
151	11:01:01G	24:02:01G	40:10:01G	48:01:01G	04:03	08:01	11:01:01G	15:02:01G	NT	NT	NT	NT	03:01:01G	05:02:01G	NT	NT	01:01:01G	03:01:01G
155	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
162	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	01:01	03:01
176	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	01:01	03:01
193	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
207	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
209	11:01:01G	24:02:01G	40:10:01G	48:01:01G	04:03:01G	08:01:01G	11:01:01G	15:02:01G	3*02:02:01G	5*01:01:01G	01:02:01G	05:01:01G	03:01:01G	05:02:01G	NT	NT	01:01:01G	03:01:01G
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
267	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	NT	NT
292	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
317	11:01	24:02	40:01	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01
331	11:01:01:01	24:02:01:01	40:10:01:02	48:01:01	04:03:01:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01G	03:01:01G
402	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	03:01
702	11:01:01	24:02:01	40:10:01	48:01:01	04:03:01	08:01:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	03:01:01
714	11:01P	24:02P	40:10P	48:01P	04:03P	08:01P	11:01P	15:02P	NT	NT	NT	NT	03:01P	05:02P	NT	NT	01:01P	03:01P
1251	NT	NT	NT	NT	NT	NT	NT	NT	3*02:02	5*01:01	NT	NT	NT	NT	NT	NT	01:01	03:01
1686	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:01	05:05	03:01	05:02	02:02:02	02:02:02	01:01	03:01
2015	11:01P	24:02P	40:10:01	48:01P	04:03P	08:01P	11:01P	15:02P	NT	NT	NT	NT	03:01P	05:02P	NT	NT	01:01P	03:01P
2347	11:01P	24:02P	40:10	48:01P	04:03	08:01	11:01	15:02P	NT	NT	NT	NT	03:01P	05:02P	NT	NT	01:01P	03:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	03:01:01G
2549	11:01:01G	24:02:01G	40:10	48:01:01G	04:03:01G	08:01:01G	11:01	15:02:01G	NT	NT	01:02:01G	05:01:01G	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	03:01:01G
3438	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	03:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	03:01P
3625	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	01:01	03:01
3849	NT	NT	40:10:01G	48:01:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	11:01:01G	24:02:01G	40:10	48:01:01G	04:03	08:01	11:01	15:02:01G	NT	NT	01:02	05:05	03:01:01G	05:02:01G	02:02	02:02	01:01	03:01
4585	NT	NT	40:10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11:01	24:02	40:10	48:01	04:03	08:01	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	03:01

**Table 9. Individual laboratory results for DNA # 1011 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	11	24	40	48	04	08	11	15	NT	NT	NT	NT	03	05	NT	NT	01	03
138	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
144	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	11	24	40	48	04	08	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
152	11	24	40	48	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11	24	40	48	04	08	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	11	15	NT	NT	01	05	03	05	02	02	01	03
189	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
190	11	24	40	48	04	08	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
192	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
195	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
199	NT	NT	NT	NT	NT	NT	11	15	3*PRESENT	5*PRESENT	NT	NT	06	05	NT	NT	NT	NT
205	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
207	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
228	11	24	40	48	04	08	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
245	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
252	11	24	48	48	04	08	11	15	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
255	11	24	40	48	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	11	24	40	48	04	04	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
262	11	24	40	48	04	08	11	15	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
265	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
266	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
267	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	NT	NT	NT	NT
278	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
282	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
288	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
289	NT	NT	40	48	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	11	24	40	48	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
293	11	24	40	48	04	08	11	15	NT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
294	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	NT	NT	NT	NT
305	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
309	11	24	40	48	04	08	11	15	5*01	5*02	01	05	03	05	02	02	01	03
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
328	NT	NT	40	48	NT	NT	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
329	11	24	40	48	04	03	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	11	24	40	48	04	08	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT

**Table 9. Individual laboratory results for DNA # 1011 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	11	24	48	48	04	08	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
702	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
714	11	24	40	48	04	08	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
1189	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
1251	11	24	40	48	04	08	11	15	3*02	5*01	NT	NT	03	05	NT	NT	01	03
1647	11	24	40	48	04	08	11	15	3*PRESENT	5*PRESENT	01	05	03	05	02	02	01	03
2347	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
2518	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	02	02	01	03
3600	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
3625	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
3849	11	24	40	48	04	08	11	15	3*02	5*01	NT	NT	03	05	NT	NT	NT	NT
4420	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*01	NT	NT	NT	NT	NT	NT	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
4585	11	24	40	48	04	08	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
5451	11	24	40	48	04	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
9221	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03
9222	11	24	NT	NT	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	11	24	40	48	04	08	11	15	3*02	5*01	01	05	03	05	02	02	01	03

**Table 10. Individual laboratory results for DNA # 1012 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01	05:02:01G	01:03:01	02:01:01	04:01:01G	14:01:01G
16	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01	05:02:01G	01:03:01	02:01:01	04:01:01G	14:01:01G
124	24:02:01	30:02:01:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	NT	NT	01:01:01	01:02:02	NT	NT	01:03:01	02:01:01	04:01:01	14:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01P	14:01P
147	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	NT	NT	04:01	14:01
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	24:02:01	30:02:01:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01G	15:01:01G	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01G	02:01:01G	04:01:01	14:01:01
185	24:02:01G	30:02:01G	07:02:01G	35:01:01G	04:01:01G	07:02:01G	01:01P	15:01P	5*01:01P	NP	01:01:01G	01:02:01G	05:01P	05:02P	NT	NT	04:01:01G	14:01:01G
188	24:02	30:02:01:01	07:02P	35:01P	04:01	07:02	01:01P	15:01P	NT	NT	01:01	01:02:02:01	05:01:01:03	05:02:01:01	01:03P	02:01P	04:01P	14:01P
189	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01:01G	14:01:01G
190	24:02:01	30:02:01:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01P	15:01P	NT	NT	NT	NT	05:01:01	05:02:01	NT	NT	04:01:01	14:01:01
192	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01G	15:01:01G	5*01:01:01G	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01G	02:01:01G	04:01:01	14:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
218	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	04:01	14:01
227	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	NT	NT	NT	NT	NT	NT
258	24:02:01	30:02:01:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01G	15:01:01G	5*01:01:01G	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01G	02:01:01G	04:01:01	14:01:01
264	24:02:01	30:02:01	07:02:01G	35:01:01G	04:01:01	07:02:01	01:01:01G	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01G	04:01:01G	14:01:01G
278	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NT	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
282	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
294	24:02	30:02	07:02	35:01	04:01	07:02	01:01P	15:01	NT	NT	01:01	01:02	05:01	05:02	NT	NT	04:01P	14:01P
298	24:02:01	30:02:01:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01	15:01:01	NT	NT	01:01:01	01:02:02	05:01:01	05:02:01	NT	NT	04:01:01	14:01:01
316	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NT	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
403	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01G	15:01:01G	NT	NT	NT	NT	05:01:01	05:02:01	NT	NT	04:01:01G	14:01:01G
726	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
732	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01:01G	14:01:01G
805	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
2063	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
2862	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
3325	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01:01G	14:01:01G
3410	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	04:01	14:01
3582	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
3614	24:02	30:02	07:02	35:01	04:01	07:02	01:01:01G	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
4420	NT	30:02	07:02	NT	NT	07:02	01:01	NT	5*01:01	5*01:01	01:01	NT	05:01	05:02	01:03	02:01	NT	14:01
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01:01G	14:01:01G
5451	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
6051	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01	05:02:01G	01:03:01	02:01:01	04:01:01G	14:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
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**Table 11. Individual laboratory results for DNA # 1012 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	24:02:01G	30:02:01G	07:02:01G	35:01:01G	04:01:01G	07:02:01G	01:01:01G	15:01:01G	NT	NT	01:01:01G	01:02:01G	05:01:01G	05:02:01G	01:03	02:01	04:01:01G	14:01:01G
151	24:02:01G	30:02:01G	07:02:01G	35:01:01G	04:01:01G	07:02:01G	01:01:01G	15:01:01G	NT	NT	NT	NT	05:01:01G	05:02:01G	NT	NT	04:01:01G	14:01:01G
155	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
162	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:01	15:01	NT	NT	01:01	01:02	05:01	05:02	NT	NT	04:01	14:01
176	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	01:01	01:02	05:01	05:02	NT	NT	04:01	14:01
193	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
207	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01P	14:01P
209	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01:01G	NP	01:01:01G	01:02:01G	05:01	05:02	NT	NT	04:01P	14:01P
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	01:01	15:01	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
267	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	NT	NT	NT	NT
292	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	NT	NT	NT	NT	NT	NT
313	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
317	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	5*01:01	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
331	24:02:01:01	30:02:01:01	07:02:01:01	35:01:01	04:01:01	07:02:01:03	01:01:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01G	14:01:01G
402	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	04:01	14:01
702	24:02:01	30:02:01	07:02:01	35:01:01	04:01:01	07:02:01	01:01:01	15:01:01	5*01:01:01	NT	01:01:01	01:02:02	05:01:01	05:02:01	01:03:01	02:01:01	04:01:01	14:01:01
714	24:02P	30:02P	07:02P	35:01P	04:01P	07:02P	01:01P	15:01P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	04:01P	14:01P
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	14:01
1686	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NT	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01
2015	24:02P	30:02P	07:02P	35:01P	04:01P	07:02P	01:01P	15:01P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	04:01P	14:01P
2347	24:02P	30:02	07:02P	35:01P	04:01P	07:02P	01:01P	15:01P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	04:01P	14:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	02:01	04:01	14:01
2549	24:02:01G	30:02:01G	07:02:01G	35:01:01G	04:01:01G	07:02:01G	01:01:01G	15:01:01G	NT	NT	01:01:01G	01:02:01G	05:01:01G	05:02:01G	01:03:01G	02:01:01G	04:01:01G	14:01:01G
3438	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	14:01P
3625	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	NT	NT	01:01	01:02	05:01	05:02	NT	NT	04:01	14:01
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	24:02:01G	30:02	07:02:01G	35:01:01G	04:01	07:02	01:01	15:01	NT	NT	01:01	01:02	05:01:01G	05:02:01G	01:03	02:01	04:01:01G	14:01:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	24:02	30:02	07:02	35:01	04:01	07:02	01:01	15:01	5*01:01	NP	01:01	01:02	05:01	05:02	01:03	02:01	04:01	14:01

**Table 12. Individual laboratory results for DNA # 1012 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	24	30	07	35	04	07	01	15	NT	NT	NT	NT	05	05	NT	NT	04(DP401)	14
138	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
144	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	24	30	07	35	04	07	01	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
152	24	30	07	35	NT	NT	01	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	24	30	07	35	04	07	01	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
173	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
189	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	NT	NT
190	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
192	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
195	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
199	NT	NT	NT	NT	NT	NT	01	15	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
207	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	05	NT	NT	NT	NT
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
228	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	05	NT	NT	NT	NT
242	24	30	07	35	04	07	01	15	5*PRESENT	NT	01	01	05	NT	NT	NT	NT	NT
244	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
245	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
252	24	30	07	35	04	07	01	15	5*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
255	24	30	07	35	NT	NT	01	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
262	24	30	07	35	04	07	01	15	5*PRESENT	NP	01	01	05	05	NT	NT	NT	NT
265	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
266	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
267	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	NT	NT	NT	NT
278	24	30	07	35	04	07	01	15	5*01	NT	01	01	05	05	01	02	04(DP401)	14
282	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
285	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
286	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
288	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
289	NT	NT	07	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	24	30	07	35	NT	NT	01	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
293	24	30	07	35	04	07	01	15	5*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
294	24	30	07	35	04	07	01	15	5*01	NP	NT	NT	05	05	NT	NT	NT	NT
305	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
309	24	30	07	35	04	07	01	15	3*02	5*02	01	01	05	05	01	02	04(DP401)	14
311	24	30	07	35	04	07	01	15	5*PRESENT	NT	01	01	05	05	NT	NT	NT	NT
318	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	04(DP401)	14
328	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
329	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT

**Table 12. Individual laboratory results for DNA # 1012 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	24	30	07	35	04	07	01	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	NT	NT
702	24	30	07	35	04	07	01	15	5*01	NT	01	01	05	05	01	02	04(DP401)	14
714	24	30	07	35	04	07	01	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	NT	NT
1189	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
1251	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
1647	24	30	07	35	04	07	01	15	5*PRESENT	NP	01	01	05	05	01	02	04(DP401)	14
2347	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
2518	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
2549	NT	NT	NT	NT	NT	NT	NT	NT	5*01	NP	NT	NT	NT	NT	NT	NT	NT	NT
3438	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	01	02	NT	NT
3600	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	NT	NT
3625	24	30	07	35	04	07	01	15	5*01	NT	01	01	05	05	01	02	04(DP401)	14
3849	24	30	07	35	04	07	01	15	5*01	NP	NT	NT	05	05	NT	NT	NT	NT
4420	24	30	07	35	04	07	01	15	5*01	5*01	01	01	05	05	01	02	NT	14
4545	NT	NT	NT	NT	NT	NT	NT	NT	5*01	NP	NT	NT	NT	NT	NT	NT	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
4585	24	30	07	35	04	07	01	15	NT	NT	01	01	05	05	NT	NT	NT	NT
5451	24	30	07	35	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
9221	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14
9222	24	30	07	35	04	07	01	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	24	30	07	35	04	07	01	15	5*01	NP	01	01	05	05	01	02	04(DP401)	14



**Table 13. Individual laboratory results for DNA # 1013 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01G	06:02:01	01:03	03:01	04:01:01	04:02:01G
16	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01G	06:02:01	01:03:01	03:01	04:01:01	04:02:01G
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	03:01:01G	23:01:01G	49:01:01G	53:01:01G	04:01:01G	07:01:01G	11:01P	16:02P	3*02:02P	5*02:02P	01:02:01G	01:02:01G	05:02P	06:02P	NT	NT	04:01:01G	04:02:01G
188	03:01	23:01:01:01	49:01	53:01:01:01	04:01	07:01:02:01	11:01:02	16:02	NT	NT	01:02	01:02	05:02:01:01	06:02:01:04	01:03P	03:01	04:01	04:02P
189	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
190	03:01:01	23:01:01:01	49:01:01	53:01:01:01	04:01:01	07:01:02	11:01:02	16:02P	NT	NT	NT	NT	05:02:01	06:02:01	NT	NT	04:01:01	04:02P
192	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01G	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01G	03:01:01	04:01:01	04:02:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
218	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	04:01	105:01
227	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	03:01:01	23:01:01:01	49:01:01	53:01:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01G	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01G	03:01:01	04:01:01	04:02:01G
264	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01G	03:01:01	04:01:01	105:01:01
278	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	02:01	04:01
282	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	03:01:01	23:01:01:01	49:01:01	53:01:01:01	04:01:01	07:01:02	11:01:02	16:02:01	NT	NT	01:02:01	01:02:02	05:02:01	06:02:01	NT	NT	04:01:01	105:01
316	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
403	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	NT	NT	NT	NT	05:02:01	06:02:01	NT	NT	04:01:01	04:02:01G
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01:01G	04:02:01G
805	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
2063	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
2862	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
3325	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
3410	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	04:01	105:01
3582	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
3614	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	04:02:01G
4420	03:01	NT	49:01	53:01	NT	NT	11:01	16:02	3*02:02	5*02:02	NT	NT	05:02	NT	01:03	03:01	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
5451	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03	03:01	04:01:01	105:01:01
6051	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01G	06:02:01G	01:03:01	03:01:01	04:01:01	04:02:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	NG
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**Table 14. Individual laboratory results for DNA # 1013 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	03:01:01G	23:01:01G	49:01:01G	53:01:01G	04:01:01G	07:01:01G	11:01:01G	16:02P	NT	NT	01:02:01G	01:02:01G	05:02:01G	06:02:01G	01:03	03:01	04:01	105:01
151	03:01:01G	23:01:01G	49:01:01G	53:01:01G	04:01:01G	07:01:01G	11:01	16:02	NT	NT	NT	NT	05:02:01G	06:02:01G	NT	NT	04:01:01G	04:02:01G
155	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
162	03:01	23:01	49:01	53:01	04:01	07:01:01G	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	11:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	04:01	105:01
176	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	04:01	105:01
193	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
207	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	NT	05:02	06:02	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	NT	NT	NT	NT
292	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
317	03:01	23:01	15:16	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	04:02
331	03:01:01:05	23:01:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02:01	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
402	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02			04:01	04:02
702	03:01:01	23:01:01	49:01:01	53:01:01	04:01:01	07:01:02	11:01:02	16:02:01	3*02:02:01	5*02:02	01:02:01	01:02:02	05:02:01	06:02:01	01:03:01	03:01:01	04:01:01	105:01:01
714	03:01P	23:01P	49:01P	53:01P	04:01P	07:01P	11:01P	16:02P	NT	NT	NT	NT	05:02P	06:02P	NT	NT	04:01P	04:02P
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	105:01
1686	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	105:01
2015	03:01P	23:01P	49:01P	53:01P	04:01P	07:01P	11:01P	16:02P	NT	NT	NT	NT	05:02P	06:02P	NT	NT	04:01P	04:02P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:01	04:01	04:02:01G
2549	03:01:01G	23:01:01G	49:01:01G	53:01:01G	04:01:01G	07:01:01G	11:01	16:02	NT	NT	01:02:01G	01:02:01G	05:02:01G	06:02:01G	01:03:01G	03:01:01	04:01:01G	04:02:01G
3438	03:01	NT	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	105:01
3625	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	04:01	105:01
3849	NT	NT	NT	NT	NT	NT	11:01:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	03:01:01G	23:01	49:01	53:01	04:01	07:01	11:01	16:02	NT	NT	NT	NT	05:02:01G	06:02:01G	NT	NT	04:01:01G	04:02:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	03:01	23:01	49:01	53:01	04:01	07:01	11:01	16:02	3*02:02	5*02:02	01:02	01:02	05:02	06:02	01:03	03:01	04:01	NG

**Table 14. Individual laboratory results for DNA # 1013 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	04(DP402)
134	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
138	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
144	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	04(DP401)	105
147	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
148	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
152	03	23	49	53	NT	NT	11	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
162	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
173	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	04(DP401)	105
189	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	NT	NT
190	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
192	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	04(DP402)
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	11	15	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
207	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
209	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
215	03	23	49	49	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
227	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
228	23	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	06	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
245	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	04(DP401)	105
252	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	01	01	05	06	NT	NT	NT	NT
255	03	23	49	53	NT	NT	11	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
266	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	04(DP401)	04(DP402)
267	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	NT	NT	NT	NT
278	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	02(DP201)
282	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
288	03	23	49	53	04	07	11	16	NT	NT	01	05	05	06	NT	NT	NT	NT
289	NT	NT	49	53	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	03	23	49	53	NT	NT	11	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
293	03	23	49	53	07	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
294	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	04(DP401)	105
305	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
309	03	23	49	53	04	07	11	16	3*02	5*01	01	01	05	05	01	03	04(DP401)	04(DP402)
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	04(DP401)	04(DP402)
328	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
329	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT

**Table 14. Individual laboratory results for DNA # 1013 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	NT	NT
702	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
714	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
726	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
805	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	NT	NT
1189	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
1251	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
1647	03	23	49	53	04	07	11	16	3*PRESENT	5*PRESENT	01	01	05	06	01	03	04(DP401)	105
2347	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	04(DP402)
2518	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	04(DP402)
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*02	NT	NT	NT	NT	NT	NT	NT	NT
3438	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	01	03	NT	NT
3600	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	NT	NT
3625	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
3849	03	23	49	53	04	07	11	16	3*02	5*02	NT	NT	05	06	NT	NT	NT	NT
4420	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	NT	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*02	01	01	NT	NT	01	03	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
4585	03	23	49	53	04	07	11	16	NT	NT	01	01	05	06	NT	NT	NT	NT
5451	03	23	49	53	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
9221	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	105
9222	03	23	49	53	04	07	11	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
<b>Final Consensus</b>	03	23	49	53	04	07	11	16	3*02	5*02	01	01	05	06	01	03	04(DP401)	NG

**Table 16. Individual laboratory results for DNA # 1014 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
16	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01P	04:02P
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02:01:01G	33:01:01:01	39:11	44:03:01:02	02:02:02G	07:02:01G	04:17:02	13:01:01G	3*01:01:02	4*01:03:02	NT	NT	04:02:01G	06:03:01G	NT	NT	126:01:01	665:01
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	02:01:01G	33:01:01G	39:11	44:03:01G	02:02:02G	07:02:01G	04:17P	13:01P	3*01:01P	4*01:01P	01:03:01G	03:01:01G	04:02P	06:03P	NT	NT	04:01:01G	04:02:01G
188	02:01	33:01:01:01	39:11	44:03:01:02	02:02	07:02	04:17:02	13:01	NT	NT	01:03	03:03:01:06	04:02:01:09	06:03:01:01	01:03P	01:03P	04:01P	04:02P
189	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
190	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01:01	NT	NT	NT	NT	04:02P	06:03	NT	NT	126:01:01	665:01
192	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01G	06:03	01:03:01G	01:03:01	126:01	665:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
218	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
227	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	NT	NT	NT	NT	NT	NT
258	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01G	06:03	01:03:01G	01:03:01	126:01:01	04:02:01G
264	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
278	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
282	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	NP	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	02:01:01	33:01:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	NT	NT	01:03:01:02	03:03:01	04:02:01	06:03:01	NT	NT	04:01	04:02
316	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
403	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	NT	NT	NT	NT	04:02:01G	06:03	NT	NT	04:01:01G	04:02:01G
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
805	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02:01G	06:03	01:03	01:03	04:01:01G	04:02:01G
2063	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
2862	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3325	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
3410	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	126:01	665:01
3582	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3614	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
4420	02:01	33:01	39:11	44:03	NT	07:02	04:17	13:01	NT	NT	01:03	03:03	04:02	06:03	01:03	01:03	NT	NT
4551	02:01P	33:01P	39:11	44:03P	02:02P	07:02P	04:17P	13:01P	3*01:01:02	3*01:03	01:03P	03:01P	04:02P	06:03P	NT	NT	04:01P	04:02P
4582	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
5451	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
6051	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus based on High Resolution	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

**Table 17. Individual laboratory results for DNA # 1014 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	33:01:01G	39:11	44:03:01G	02:02:02G	07:02:01G	04:17P	13:01:01G	NT	NT	01:03	03:01:01G	04:02:01G	06:03:01G	01:03	01:03	04:01	04:02
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	02:01	33:01	39:11	44:03	02:02	07:02	04:17:01	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
162	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	04:17	13:01	NT	NT	01:03	03:03	04:02	06:03	NT	NT	04:01	04:02
176	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	01:03	03:03	04:02	06:03	NT	NT	04:01:01G	04:02:01G
193	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
207	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	04:02	06:03	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:01	01:03	03:01	04:02	06:03	NT	NT	NT	NT
292	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	NT	NT	NT	NT	NT	NT
313	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
317	02:01	33:01	39:01	44:03	02:02	07:02	04:05	13:01	3*01:01	4*01:01	01:03	03:01	04:02	06:03	01:03	01:03	04:01	04:02
331	02:01:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02:01	07:02:01:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
714	02:01P	33:01P	39:11	44:03P	02:02P	07:02P	04:17P	13:01P	NT	NT	NT	NT	04:02P	06:03P	NT	NT	04:01P	04:02P
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	01:03	04:01	04:02
1686	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
2015	02:01P	33:01P	39:11	44:03P	02:02P	07:02P	04:17:02	13:01P	NT	NT	NT	NT	04:02P	06:03P	NT	NT	04:01P	04:02P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	01:03	04:01:01G	04:02:01G
2549	02:01:01G	33:01:01G	39:11	44:03:01G	02:02:02G	07:02:01G	04:17	13:01:01G	NT	NT	01:03:01G	03:01:01G	04:02:01G	06:03:01G	01:03:01G	01:03:01G	04:01:01G	04:02:01G
3438	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	04:02P
3625	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	01:03	03:03	NT	NT	NT	NT	04:01	04:02
3849	NT	NT	NT	NT	NT	NT	04:17:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	02:01:01G	33:01	39:11	44:03:01G	02:02	07:02	04:17	13:01:01G	NT	NT	01:03	03:03	04:02:01G	06:03	NT	NT	04:01:01G	04:02:01G
4585	NT	NT	39:11	NT	NT	NT	04:17	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

**Table 18. Individual laboratory results for DNA # 1014 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	33	04(DP402)
134	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
138	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
144	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
147	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
152	02	33	39	44	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
162	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
173	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
189	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
190	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
192	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	15	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
205	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
207	NT	NT	NT	NT	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
228	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	03	04	06	NT	NT	NT	NT
242	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
244	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
245	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
252	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
255	02	33	39	44	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
266	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
267	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	NT	NT	NT	NT
278	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
282	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
288	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
289	NT	NT	39	44	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	02	33	39	44	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	03	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
293	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
305	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
309	02	33	39	44	01	07	04	13	5*01	5*01	01	03	04	06	01	01	04(DP402)	04(DP402)
311	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
318	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
328	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
329	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT

**Table 18. Individual laboratory results for DNA # 1014 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
402	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	04(DP401)	04(DP402)
615	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
702	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
714	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
726	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
805	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
1189	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
1251	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
1647	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	01	01	04(DP401)	04(DP402)
2347	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
2518	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	4*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
3600	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
3625	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
3849	02	33	39	44	02	07	04	13	3*01	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
4420	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*01	4*01	NT	NT	NT	NT	01	01	NT	NT
4551	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	NT	NT	04(DP401)	04(DP402)
4582	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
4585	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
5451	02	33	39	44	02	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
9221	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
9222	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
<b>Final Consensus</b>	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)



**Table 19. Individual laboratory results for DNA # 1015 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
16	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
124	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
134	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:01P	NP	01:01:02	03:01:01	03:02P	05:01P	NT	NT	04:02:01	04:02:01
138	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01:01	01:02:01G	08:02:01G	01:02	04:11:01	4*01:03:01	NP	NT	NT	03:02:01G	05:01:01G	NT	NT	04:02:01G	04:02:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	31:01:02G	68:02:01G	14:02:01G	15:01:01G	01:02:01G	08:02:01G	01:02P	04:11P	4*01:01P	NP	01:01:01G	03:01:01G	03:02P	05:01P	NT	NT	04:02:01G	04:02:01G
188	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01:01	01:02	08:02	01:02	04:11:01	NT	NT	01:01	03:01:01:01	03:02	05:01:01:01	01:03	01:03	04:02	04:02
189	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
190	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01:01	01:02:01	08:02:01	01:02:01	04:11:01	NT	NT	NT	NT	03:02P	05:01P	NT	NT	04:02:01	04:02:01
192	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02	04:11:01	4*01:01:01G	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
218	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	01:03	01:03	04:02	04:02
227	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:01:01G	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
264	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
278	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NT	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
282	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	NT	NT	01:01:02	03:01:01	03:02:01	05:01:01:01	NT	NT	04:02:01	04:02:01
316	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NT	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
403	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	NT	NT	NT	NT	03:02:01G	05:01:01G	NT	NT	04:02:01	04:02:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
805	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01:01G	01:03	01:03	04:02	04:02
2063	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
2862	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
3325	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
3410	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	04:02	04:02
3582	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01	01:03:01	01:03:01	04:02:01	04:02:01
3614	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
4420	31:01	68:02	14:02	15:01	01:02	NT	01:02	04:11	NT	NT	01:01	03:01	03:02	05:01	01:03	01:03	NT	NT
4551	31:01P	68:02P	14:02P	15:01P	01:02P	08:02P	01:02P	04:11P	4*01:03	NP	01:01P	03:01P	03:02P	05:01P	NT	NT	04:02P	04:02P
4582	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
5451	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
6051	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01G	05:01:01G	01:03:01	01:03:01	04:02:01	04:02:01
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NG	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
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**Table 20. Individual laboratory results for DNA # 1015 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	31:01:02G	68:02:01G	14:02:01G	15:01:01G	01:02:01G	08:02:01G	01:02P	04:11P	NT	NT	01:01:01G	03:01	03:02:01G	05:01:01G	01:03	01:03	04:02	04:02
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	NT	NT
162	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:02	04:11	NT	NT	01:01	03:01	03:02	05:01	NT	NT	04:02	04:02
176	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	01:01	03:01	03:02	05:01	NT	NT	04:02	04:02
193	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	NT	NT
207	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:01P	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	03:01	03:02	05:01	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:01	NP	01:01	03:01	03:02	05:01	NT	NT	NT	NT
292	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	NT	NT
317	31:01	68:02	14:01	15:01	01:02	08:03	01:02	04:11	4*01:01	4*01:01	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
331	31:01:02:01	68:02:01:01	14:02:01:01	15:01:01:01	01:02:01:01	08:02:01:01	01:02:01	04:11:01	4*01:03:01	NP	01:01:02	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	31:01:02	68:02:01	14:02:01	15:01:01	01:02:01	08:02:01	01:02:01	04:11:01	4*01:03:01	NT	01:02:01	03:01:01	03:02:01	05:01:01	01:03:01	01:03:01	04:02:01	04:02:01
714	31:01P	68:02P	14:02P	15:01P	01:02P	08:02P	01:02P	04:11P	NT	NT	NT	NT	03:02P	05:01P	NT	NT	04:02P	04:02P
1251	31:01:02G	68:02:01G	14:02:01G	15:01:01G	01:02:01G	08:02:01G	01:02	04:11	4*01:01:01G	NP	NT	NT	03:02:01G	05:01:01G	01:03	01:03	04:02:01G	04:02:01G
1686	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	4*01:03	NT	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02
2015	31:01P	68:02P	14:02P	15:01P	01:02P	08:02P	01:02P	04:11:01	NT	NT	NT	NT	03:02P	05:01P	NT	NT	04:02P	04:02P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	01:03	04:02	04:02
2549	31:01:02G	68:02:01G	14:02:01G	15:01:01G	01:02:01G	08:02:01G	01:02:01	04:11	NT	NT	01:01:01G	03:01:01G	03:02:01G	05:01:01G	01:03:01G	01:03:01G	04:02:01G	04:02:01G
3438	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	NT	NT	03:02	05:01	NT	NT	04:02	04:02
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02P	04:02P
3625	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NT	NT	01:01	03:01	03:02	05:01	NT	NT	04:02	04:02
3849	NT	NT	NT	NT	NT	NT	NT	04:11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	31:01:02G	68:02	14:02:01G	15:01:01G	01:02	08:02	01:02P	04:11	NT	NT	01:01	03:01	03:02:01G	05:01:01G	NT	NT	04:02	04:02
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	31:01	68:02	14:02	15:01	01:02	08:02	01:02	04:11	NG	NP	01:01	03:01	03:02	05:01	01:03	01:03	04:02	04:02

**Table 20. Individual laboratory results for DNA # 1015 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
144	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	31	68	14	15	01	08	01	04	NT	NT	NT	NT	03	05	NT	NT	NT	NT
152	31	68	14	15	NT	NT	01	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
162	31	68	14	15	01	08	01	04	NT	NT	NT	NT	03	05	NT	NT	NT	NT
173	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
189	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	NT	NT
190	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
192	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	01	04	4*PRESENT	4*PRESENT	NT	NT	03	05	NT	NT	NT	NT
205	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	05	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
228	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	03	03	05	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
245	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
252	31	68	14	15	01	08	01	04	4*PRESENT	4*PRESENT	01	03	03	05	NT	NT	NT	NT
255	31	68	14	15	NT	NT	01	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
266	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
267	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	NT	NT	NT	NT
278	31	68	14	15	01	08	01	04	4*01	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
282	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
288	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
289	NT	NT	14	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	31	68	14	15	NT	NT	01	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
293	31	68	14	15	01	08	01	04	4*PRESENT	NP	01	03	03	05	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
305	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
309	31	68	14	15	01	08	01	04	3*02	5*02	01	03	03	05	01	01	03	05
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
328	31	68	14	15	NT	NT	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
329	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT

**Table 21. Individual laboratory results for DNA # 1015 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
402	31	68	14	15	01	08	01	04	NT	NT	NT	NT	03	05	NT	NT	04(DP402)	04(DP402)
615	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	NT	NT
702	31	68	14	15	01	08	01	04	4*01	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
714	31	68	14	15	01	08	01	04	NT	NT	NT	NT	03	05	NT	NT	NT	NT
726	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
805	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	NT	NT
1189	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	105
1251	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
1647	31	68	14	15	01	08	01	04	4*PRESENT	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
2347	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
2518	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
2549	NT	NT	NT	NT	NT	NT	NT	NT	4*01	NP	NT	NT	NT	NT	NT	NT	NT	NT
3438	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
3600	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	NT	NT
3625	31	68	14	15	01	08	01	04	4*01	NT	01	03	03	05	01	01	04(DP402)	04(DP402)
3849	31	68	14	15	01	08	01	04	4*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
4420	31	68	14	15	01	08	01	04	4*01	4*01	01	03	03	05	01	01	NT	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	4*01	NP	NT	NT	NT	NT	01	01	NT	NT
4551	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	NT	NT	04(DP402)	04(DP402)
4582	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
4585	31	68	14	15	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
5451	31	68	14	15	01	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
9221	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)
9222	NT	NT	NT	NT	01	08	01	04	NT	NT	01	03	03	05	NT	NT	NT	NT
<b>Final Consensus</b>	31	68	14	15	01	08	01	04	4*01	NP	01	03	03	05	01	01	04(DP402)	04(DP402)

**Table 22. Individual laboratory results for DNA # 1016 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07	15:02:01G	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01G	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
16	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01G	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01G	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
124	01:01:01	11:01	35:01:01	35:03:01	04:01	12:02	14:07:01	15:02:01G	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01G	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
134	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02P	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03	NT	NT	04:01:01	26:01:02
138	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02P	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01:01G	12:02:02:01	14:07:01	15:02:01G	3*02:02:01G	5*01:03	NT	NT	05:02:01G	05:03:01G	NT	NT	04:01:01G	26:01:02
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01:01G	12:02:01G	14:07P	15:02P	3*02:02P	5*01:03	01:01:01G	01:01:01G	05:02P	05:03P	NT	NT	04:01:01G	26:01:02
188	01:01	11:01	35:01	35:03	04:01	12:02:02:01	14:07:01	15:02P	NT	NT	01:01:01:07	01:04	05:02	05:03	01:03P	02:01P	NT	NT
189	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
190	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02:01	14:07:01	15:02P	NT	NT	NT	NT	05:02:01	05:03	NT	NT	04:01:01	26:01:02
192	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01G	3*02:02:01G	5*01:03	01:01:01	01:04:01	05:02:01	05:03	01:03:01G	02:01:01G	04:01:01	26:01:02
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
218	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	04:01	26:01
227	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02:01	14:07:01	15:02:01G	3*02:02:01G	5*01:03	01:01:01	01:04:01	05:02:01	05:03	01:03:01G	02:01:01G	04:01:01	26:01:02
264	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01G	04:01:01	26:01:02
278	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
282	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02	NT	NT	01:01:01	01:04:01:01	05:02:01	05:03:01	NT	NT	04:01:01	26:01:02
316	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
403	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01G	NT	NT	NT	NT	05:02:01	05:03	NT	NT	04:01:01	26:01:02
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01:01G	26:01
805	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02:01G	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
2063	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
2862	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
3325	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
3410	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	04:01	26:01
3582	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
3614	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02:01G	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01:02
4420	01:01	11:01	NT	NT	NT	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	NT	26:01
4551	01:01P	11:01P	35:01P	35:03P	04:01P	12:02P	14:07P	15:02P	3*02:02:01:01	5*01:03	01:01P	01:01P	05:02P	05:03P	NT	NT	04:01P	26:01P
4582	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
5451	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
6051	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:01	14:07:01	15:02:01G	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01G	05:03:01	01:03:01	02:01:01	04:01:01	26:01:01
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
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**Table 23. Individual laboratory results for DNA # 1016 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01:01G	12:02:01G	14:07P	15:02:01G	NT	NT	01:01:01G	01:01:01G	05:02:01G	05:03:01G	01:03	02:01	04:01	26:01
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	14:07	15:02	NT	NT	01:01	01:04	05:02	05:03	NT	NT	04:01	26:01
176	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	01:01	01:04	05:02	05:03	NT	NT	04:01	26:01
193	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	NT	NT
207	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:04	05:02	05:03	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:01	05:02	05:03	NT	NT	NT	NT
292	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	NT	NT
317	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:01	05:02	05:03	01:03	02:01	04:01	26:01
331	01:01:01:01	11:01:01:01	35:01:01	35:03:01	04:01:01	12:02:02:01	14:07:01	15:02:01	3*02:02:01	3*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	01:01:01	11:01:01	35:01:01	35:03:01	04:01:01	12:02:02	14:07:01	15:02:01	3*02:02:01	5*01:03	01:01:01	01:04:01	05:02:01	05:03:01	01:03:01	02:01:01	04:01:01	26:01:02
714	01:01P	11:01P	35:01P	35:03P	04:01P	12:02P	14:07P	15:02P	NT	NT	NT	NT	05:02P	05:03P	NT	NT	04:01P	26:01P
1251	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01:01G	12:02:01G	14:07:01	15:02:01G	3*02:02:01G	5*01:03	NT	NT	05:02:01G	05:03:01G	01:03	02:01	14:01:01G	26:01:02
1686	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:02	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01
2015	01:01P	11:01P	35:01P	35:03P	04:01P	12:02P	14:07:01	15:02P	NT	NT	NT	NT	05:02P	05:03P	NT	NT	04:01P	26:01P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	02:01	04:01	26:01
2549	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01:01G	12:02:01G	14:07	15:02:01G	NT	NT	01:01:01G	01:01:01G	05:02:01G	05:03:01G	01:03:01G	02:01:01G	04:01:01G	26:01
3438	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	NT	NT	05:02	05:03	NT	NT	04:01	26:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	26:01P
3625	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	NT	NT	01:01	01:04	05:02	05:03	NT	NT	04:01	26:01
3849	NT	NT	35:01:01G	35:03:01G	NT	NT	14:07:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4545	01:01:01G	11:01:01G	35:01:01G	35:03:01G	04:01	12:02	14:07	15:02:01G	NT	5*01:03	01:01	01:04	05:02:01G	05:03:01G	01:03	02:01	04:01	26:01
4585	NT	NT	NT	NT	NT	NT	14:07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	01:01	11:01	35:01	35:03	04:01	12:02	14:07	15:02	3*02:02	5*01:03	01:01	01:04	05:02	05:03	01:03	02:01	04:01	26:01

**Table 24. Individual laboratory results for DNA # 1016 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
144	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	01	11	35	35	04	12	14	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
152	01	11	35	35	NT	NT	14	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
162	01	11	35	35	04	12	14	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
173	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
189	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	NT	NT
190	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
192	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	13	15	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04(DP401)	26
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
228	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	05	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
245	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
252	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
255	01	11	35	35	NT	NT	14	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
266	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
267	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	NT	NT	NT	NT
278	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
282	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
285	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
286	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
288	01	11	35	35	04	12	14	15	NT	NT	01	05	05	05	NT	NT	NT	NT
289	NT	NT	35	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	01	11	35	35	NT	NT	14	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
293	01	11	35	35	04	12	14	15	NP	5*PRESENT	01	01	05	05	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
305	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
309	01	11	35	35	04	12	14	15	3*01	4*01	01	01	05	05	01	01	04(DP401)	26
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
328	01	11	NT	NT	04	12	14	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
329	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
331	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
336	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT

**Table 24. Individual laboratory results for DNA # 1016 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
339	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
402	01	11	35	35	04	12	14	15	NT	NT	NT	NT	05	05	NT	NT	04(DP401)	26
615	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	NT	NT
702	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
714	01	11	35	35	04	12	14	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
726	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
805	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	NT	NT
1189	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
1251	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
1647	01	11	35	35	04	12	14	15	3*PRESENT	5*PRESENT	01	01	05	05	01	02	04(DP401)	26
2347	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
2518	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	01	02	04(DP401)	26
3600	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	NT	NT
3625	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
3849	01	11	35	35	04	12	14	15	3*02	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
4420	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	NT	26
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	NT	NT	04(DP401)	26
4582	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
4585	01	11	35	35	04	12	14	15	NT	NT	01	01	05	05	NT	NT	NT	NT
5451	01	11	35	35	04	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
9221	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26
9222	NT	NT	NT	NT	04	12	14	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	01	11	35	35	04	12	14	15	3*02	5*01	01	01	05	05	01	02	04(DP401)	26



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CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
7	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
16	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
124	NGS-INH SSO-OL	NGS-INH SSO-OL	NGS-INH SSO-OL	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
134	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL		NGS-GIL
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
144	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG		SSO-IMM	SBT-TBG	SSO-IMM	SSO-IMM
147	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSP-OLE	SSP-OLE	NGS-GIL		NGS-GIL
148	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD		NGS-GD		NGS-GD
151	SBT-LT	SBT-LT	SBT-LT	SBT-LT			SBT-LT		SBT-LT
155	SBT-INH	SBT-INH	SBT-INH	SBT-INH		SBT-INH	SBT-INH		
158	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS			SBT-BS		
173	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL SSP-OL		SSO-LUM-OL SSP-OL	SSO-LUM-OL-QIA	SSO-LUM-OL	SSO-LUM-OL SSP-OL
176	SBT-INH	SBT-INH	SBT-INH	SBT-INH		SBT-INH	SBT-INH		SBT-INH
185	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH		NGS-INH
188	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-ACT		NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-ACT
189	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
190	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
192	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH
193	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL			SBT-SC SSO-LUM-OL		
205	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
207					SSP-OLE				
209	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSP-OLE	SBT-GD SSP-OLE	SBT-GD SSP-OLE		SBT-GD SSO-OL SSP-OLE
218	NGS-INH	NGS-INH	NGS-INH	NGS-INH			NGS-INH		NGS-INH
227	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
239		SSP-OL				SSP-OL	SSP-OL		
258	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC
262				SSP-OLE		SSP-OLE	SSP-OLE		
264	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
267	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
282	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
294	NGS-OMX SBT-INH	NGS-OMX SBT-INH SSO-IMM	NGS-OMX SBT-INH	NGS-OMX SBT-INH		NGS-OMX	NGS-OMX		NGS-OMX
298	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX	NGS-OMX		NGS-OMX
311						SSP-OLE			
313	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		
316	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
317	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
331	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
402	SBT-GD	SBT-GD	SBT-GD	SBT-GD			SBT-GD		SBT-GD
403	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL

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CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
702	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL
714	SBT-GIL	SBT-GIL	SBT-GIL	SBT-SC			SBT-SC		SSO-LUM-OL
726	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
732	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
805	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
1251	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO SSP-OLE		SBT-PRO	SSO-IMM	Other-Others SBT-PRO SSO-IMM SSP-OLE
1686	Other-Others SSP-OLE	Other-Others SSP-OLE	Other-Others SSP-OLE	Other-Others	Other-Others SSP-OLE	Other-Others SSP-OLE	Other-Others SSP-OLE	Other-Others SSP-OLE	Other-Others SSP-OLE
2015	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM SSP-OL			SSP-OLE		SSP-OLE
2063	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
2347	SBT-OL	SBT-OL	SBT-OL	SBT-OL			SBT-OL		SBT-OL
2518								SSO-OL	SSO-OL
2549	SBT-OLE	SBT-OLE	SBT-OLE	SBT-OLE		SSP-OLE	SBT-OLE	SSO-OL	SSO-OL
2862	NGS-IL-OMX	NGS-IL-OMX-TEP	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX
3325	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
3410	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
3438	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		SBT-TBG
3582	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3600									rPCR-LB
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3625	SBT-INH	SBT-INH	SBT-INH	SBT-INH		SBT-INH	SBT-INH	SBT-INH	SBT-INH
3849	SBT-CG-INH	SBT-CG-INH	SBT-CG-INH	SBT-OL			SBT-OL		
4545	SBT-SC SSO-OL	SBT-SC SSO-OL	SBT-SC SSO-OL	SBT-SC SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SBT-SC SSO-OL	SSO-OL SSP-OLE	SBT-SC SSO-OL
4551	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX
4582	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
4585		SSO-LUM		SSO-LUM					
5451	NGS-IL SBT-INH	NGS-IL SBT-INH	NGS-IL SBT-INH	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL SBT-INH
6051	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
14982	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL

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CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
124	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
134	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL	SSO-OL	SSO-OL SSP-OLE		SSP-OLE
138	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
144	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
147	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB
148	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG			SSO-BAG		
151	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
152	SSP-INT	SSP-INT		SSP-INT					
158	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
162	SSP-BS	SSP-BS	SSP-BS	SSP-BS			SSP-BS		
189	SSO-OL	SSO-BAG-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	
190	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		
192	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
195	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
199				SSP-OL	SSP-OL		SSP-OL		
205	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
207	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS
209	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSO-OL	SSO-OL SSP-BR		
215	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR				
227	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
228	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
239						SSP-OL	SSP-OL		
242	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
244	SSO-BAG SSP-OL	SSO-BAG SSP-OL	SSO-BAG	SSO-BAG SSP-OL		SSO-BAG	SSO-BAG SSP-OL		
245	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS		SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
252	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN
255	SSO-OL	SSO-OL		SSO-OL					
260	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO		SSP-BR-PRO		
262	SSP-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
265	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSO-OL	SSO-OL	SSP-OL	SSO-OL	SSP-OL
266	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
267	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
282	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
286	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
288	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG		SSO-BAG	SSO-BAG		
289		SSO-IMM							
290	SSO-OL	SSO-OL		SSO-OL					
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
293	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	Other-Others	SSO-IMM	SSO-IMM		
294	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSP-OLE	SSO-IMM	Other-Others SSO-IMM SSP-OLE		SSP-OLE
305	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		

**Participants and Methods Low Resolution**

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
309	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
311	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
328	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
329	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		
336	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
339	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT
402	SSO-IMM-OL	SSO-IMM-OL	SSO-IMM-OL	SSO-IMM-OL			SSO-IMM-OL		SSO-IMM-OL
615	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
702	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB
714	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL			SSO-LUM-OL		
726	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
805	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	
1189	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
1251	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM	Other-Others SSO-IMM SSP-OLE
1647	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
2347	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
2518	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
2549					SSO-OL				
3438	SSO-LC SSP-INT	SSO-LC SSP-INT	SSO-LC SSP-INT	SSO-LC SSP-INT		SSO-LC SSP-INT-LC	SSO-LC SSP-INT	SSO-LC SSP-INT	SSO-LC SSP-INT
3600	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
3625	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
3849	SSO-INH	SSO-INH	SSO-INH	SSO-INH	SSO-INH	SSO-INH	SSO-INH		
4545					SSO-OL SSP-OLE	SSO-OL SSP-OLE		SSO-OL SSP-OLE	
4551	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSP-OLE	SSO-IMM	SSO-IMM		SSO-IMM
4582	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
4585	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
5451	SSO-LUM	SSO-INH-LUM	SSO-INH-LUM						
8050	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9221	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-BAG-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
9222	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		